

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number  
**WO 2004/088000 A3**

(51) International Patent Classification<sup>7</sup>: **C25C 3/18**, 3/06

(21) International Application Number:  
PCT/EP2004/003625

(22) International Filing Date: 31 March 2004 (31.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03075948.4 31 March 2003 (31.03.2003) EP

(71) Applicant (*for all designated States except US*): **CORUS TECHNOLOGY BV** [NL/NL]; P.O. Box 10000, NL-1970 CA IJmuiden (NL).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **VAN DER PLAS, Dietrich, Willem** [NL/NL]; Terheidenstraat 22, nl-2014 CS Haarlem (NL).

(74) Agent: **HANSEN, Willem, Joseph, Maria**; Corus Technology BV, P.O. Box 10000, 1970 CA IJmuiden (NL).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:  
13 January 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR THE ELECTROLYSIS OF ALUMINIUMSULFIDE

(57) Abstract: Process for the electrolysis of  $Al_2S_3$ , using a bath of molten salt, preferably a bath of molten chloride salt, in which  $Al_2S_3$  is dissolved characterised in that measures are taken to improve the electrical conductivity of the bath, so as to enable an increase in the current density in the bath.



WO 2004/088000 A3